

Human GHR Antibody Pair Set

Catalog No.	E-KAB-0188	Applications	ELISA
Synonyms	GH receptor, Somatotropin receptor		

Kit components & Storage

Title	Specifications	Storage
Human GHR Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human GHR Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

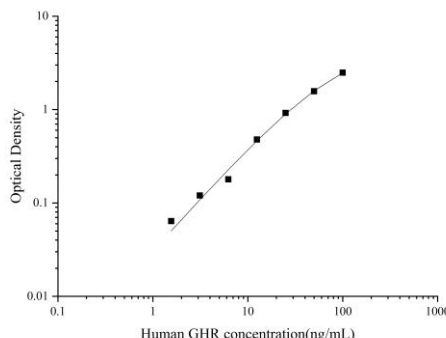
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0188)	
		Human GHR Capture Antibody	Human GHR Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human GHR protein	Recombinant Human GHR protein
	Swissprot	P10912	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human GHR in ELISAs.	

Applications

Human GHR Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human GHR Capture Antibody	 <p>The graph is a log-log plot. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The x-axis is labeled 'Human GHR concentration(ng/mL)' and ranges from 0.1 to 1000. Six data points are plotted, showing a clear upward trend. A straight line is drawn through the points, indicating a linear relationship on the log-log scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human GHR concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.05</td> </tr> <tr> <td>2</td> <td>0.1</td> </tr> <tr> <td>5</td> <td>0.2</td> </tr> <tr> <td>10</td> <td>0.4</td> </tr> <tr> <td>20</td> <td>0.8</td> </tr> <tr> <td>50</td> <td>1.5</td> </tr> </tbody> </table>	Human GHR concentration (ng/mL)	Optical Density	1	0.05	2	0.1	5	0.2	10	0.4	20	0.8	50	1.5
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ELISA Detection	1:1000-1:10000	Human GHR Detection Antibody (Biotin)															

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a member of the type I cytokine receptor family, which is a transmembrane receptor for growth hormone. Binding of growth hormone to the receptor leads to receptor dimerization and the activation of an intra- and intercellular signal transduction pathway leading to growth. Mutations in this gene have been associated with Laron syndrome, also known as the growth hormone insensitivity syndrome (GHIS), a disorder characterized by short stature.